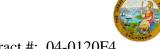
#### DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES Office of Structural Materials Quality Assurance and Source Inspection

Bay Area Branch 690 Walnut Ave.St. 150 Vallejo, CA 94592-1133 (707) 649-5453 (707) 649-5493



Contract #: 04-0120F4

Cty: SF/ALA Rte: 80 PM: 13.2/13.9

File #: 69.28

# WELDING INSPECTION REPORT

Resident Engineer: Siegenthaler, Peter **Report No:** WIR-021428 Address: 333 Burma Road **Date Inspected:** 20-Dec-2010

City: Oakland, CA 94607

**OSM Arrival Time:** 700 **Project Name:** SAS Superstructure **OSM Departure Time:** 1900 **Prime Contractor:** American Bridge/Fluor Enterprises, a JV

Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

**CWI Name: CWI Present:** Yes Lv Li Qing No **Inspected CWI report:** Yes N/A **Rod Oven in Use:** Yes No No N/A N/A **Electrode to specification:** Yes No **Weld Procedures Followed:** Yes No N/A N/A **Qualified Welders:** Yes No **Verified Joint Fit-up:** Yes No N/A N/A Yes No N/A **Approved Drawings:** Yes No **Approved WPS:** Yes No N/A **Delayed / Cancelled:** 

34-0006 **Bridge No: Component:** OBG

## **Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector Larry Viars was present during the times noted above for observations relative to the work being performed.

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This QA Inspector observed the following work in progress: Shielded Metal Arc Welding (SMAW) of OBG Segment 13CE deck panel diaphragm weld, DP3093-001-120. ZPMC welder was identified as 054013. ZPMC CWI was identified as Geng Wei. The welding appeared to be in conformance with ZPMC weld repair report B-WR 19271 and ZPMC welding procedure specification, WPS-345-SMAW-2G(2F)-FCM-Repair-1.

Shielded Metal Arc Welding (SMAW) of OBG Segment 13CE deck panel diaphragm weld, DP3107-001-016. ZPMC welder was identified as 067611. ZPMC CWI was identified as Geng Wei. The welding appeared to be in conformance with ZPMC weld repair report B-WR 18742 and ZPMC welding procedure specification, WPS-345-SMAW-2G(2F)-FCM-Repair-1.

Shielded Metal Arc Welding (SMAW) of OBG Segment 13CE deck panel diaphragm weld, DP3105-001-050. ZPMC welder was identified as 070007. ZPMC CWI was identified as Geng Wei. The welding appeared to be in conformance with ZPMC weld repair report B-WR 18698 and ZPMC welding procedure specification, WPS-345-SMAW-2G(2F)-FCM-Repair-1.

Shielded Metal Arc Welding (SMAW) of OBG Segment 13CE deck panel diaphragm weld, DP3106-001-035.

# WELDING INSPECTION REPORT

(Continued Page 2 of 2)

ZPMC welder was identified as 066459. ZPMC CWI was identified as Geng Wei. The welding appeared to be in conformance with ZPMC weld repair report B-WR 18704 and ZPMC welding procedure specification, WPS-345-SMAW-2G(2F)-FCM-Repair-1.

Flux Cored Arc Welding (FCAW) of OBG Segment 13BE deck panel DP3094-001 to DP3093-001 butt splice weld, SEG3009\*-010. ZPMC welder was identified as 067877. ZPMC CWI was identified as Lv Li Qing. The welding appeared to be in conformance with welding procedure specification, WPS-B-T-2231-ESAB.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

### **Summary of Conversations:**

Only general conversation between QA and QC occurred this date.

#### **Comments**

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang, 150 0042 2372, who represents the Office of Structural Materials for your project.

Inspected By:	Viars,Larry	Quality Assurance Inspector
Reviewed By:	McClendon, Timothy	QA Reviewer